

TRUCKEE RIVER BASIN, LAKE TAHOE

10336740 LOGAN HOUSE CREEK NEAR GLENBROOK, NV

LOCATION.--Lat 39°04'00", long 119°56'04" referenced to North American Datum of 1927, in NW 1/4 NW 1/4 sec. 23, T.14 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.1 mi downstream from unnamed tributary, 0.3 mi upstream from U.S. Highway 50, and 1.6 mi south of Glenbrook.

DRAINAGE AREA.--2.09 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year.

REVISED RECORDS.--WDR NV-00-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. One small diversion 50 ft upstream from station for domestic use. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12.0 ft³/s, January 2, 1997 and June 12, 1998, gage height, 4.75 ft; no flow many days in 1992.EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 2.5 ft³/s, gage height 4.37 ft, March 31, but may have been higher during period of missing gage height record, February 20 to March 29; minimum daily, 0.05 ft, many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.19	e0.27	e0.20	0.20	e0.22	1.0	0.79	0.21	0.08	0.05	0.07
2	0.09	0.19	0.28	e0.20	e0.19	e0.24	0.86	0.72	0.16	0.08	0.05	0.07
3	0.10	0.19	0.27	e0.18	e0.19	e0.27	0.93	0.66	0.15	0.08	0.05	0.07
4	0.10	0.19	0.28	e0.18	e0.18	e0.31	1.0	0.60	0.14	0.08	0.06	0.07
5	0.09	e0.20	0.40	e0.17	e0.18	e0.37	1.3	0.45	0.13	0.08	0.05	0.07
6	0.09	e0.20	0.46	e0.17	e0.17	e0.42	0.93	0.45	0.10	0.08	0.05	0.08
7	0.09	e0.20	0.41	e0.16	0.17	e0.47	0.86	0.55	0.09	0.08	0.05	0.07
8	0.09	e0.20	0.31	e0.15	0.19	e0.58	0.86	0.55	0.12	0.07	0.05	0.07
9	0.09	e0.20	0.35	e0.14	0.16	e0.60	0.86	0.50	0.16	0.07	0.05	0.07
10	0.10	e0.20	0.26	0.14	0.16	e0.74	1.0	0.39	0.16	0.07	0.05	0.07
11	0.10	e0.20	0.27	0.16	0.15	e0.88	0.79	0.43	0.14	0.07	0.05	0.07
12	0.11	e0.20	0.26	0.16	0.15	e0.90	0.93	0.46	0.12	0.08	0.05	0.07
13	0.11	e0.20	0.28	0.18	0.15	e0.95	0.86	0.46	0.11	0.07	0.05	0.07
14	0.11	e0.20	0.27	0.22	0.15	e1.0	0.72	0.40	0.11	0.07	0.05	0.08
15	0.11	e0.20	e0.27	0.20	0.13	e1.1	0.66	0.38	0.10	0.06	0.08	0.07
16	0.11	e0.20	e0.27	0.24	0.20	e1.2	0.66	0.37	0.09	0.05	0.09	0.07
17	0.12	e0.20	0.27	0.22	0.20	e1.3	0.72	0.35	0.09	0.05	0.08	0.08
18	0.12	e0.20	0.25	0.18	0.14	e1.5	0.60	0.34	0.09	0.05	0.07	0.08
19	0.12	e0.20	0.26	0.18	e0.12	e1.7	0.60	0.32	0.09	0.05	0.07	0.09
20	0.12	e0.20	0.28	0.17	e0.14	e1.8	0.66	0.32	0.08	0.05	0.07	0.10
21	0.12	e0.20	0.27	0.17	e0.15	e2.0	0.72	0.31	0.08	0.05	0.07	0.10
22	0.12	e0.20	0.26	0.18	e0.14	e1.9	0.72	0.30	0.08	0.05	0.07	0.10
23	0.14	e0.20	0.28	0.21	e0.16	e1.8	0.79	0.29	0.08	0.05	0.08	0.10
24	0.14	e0.20	0.26	0.18	e0.12	e1.7	0.60	0.32	0.09	0.05	0.07	0.09
25	0.14	e0.21	0.27	0.20	e0.17	e1.5	1.3	0.27	0.08	0.05	0.08	0.09
26	0.14	e0.22	e0.26	0.20	e0.16	e1.4	1.3	0.26	0.08	0.05	0.07	0.09
27	0.16	e0.23	e0.26	0.19	e0.17	e1.3	1.4	0.25	0.08	0.05	0.07	0.09
28	0.16	e0.24	e0.25	0.19	e0.18	e1.2	1.4	0.41	0.08	0.05	0.07	0.09
29	0.17	e0.25	e0.24	0.19	e0.20	e1.1	0.93	0.31	0.08	0.05	0.07	0.10
30	0.18	e0.26	e0.23	0.20	---	1.2	0.79	0.26	0.08	0.05	0.07	0.11
31	0.18	---	e0.22	0.20	---	1.7	---	0.24	---	0.05	0.07	---
TOTAL	3.72	6.17	8.78	5.74	4.83	33.25	27.01	12.67	3.24	1.92	1.97	2.45
MEAN	0.12	0.21	0.28	0.19	0.17	1.07	0.90	0.41	0.11	0.06	0.06	0.08
MAX	0.18	0.26	0.46	0.24	0.20	2.0	1.4	0.79	0.21	0.08	0.09	0.11
MIN	0.09	0.19	0.22	0.14	0.12	0.22	0.60	0.24	0.08	0.05	0.05	0.07
AC-FT	7.4	12	17	11	9.6	66	54	25	6.4	3.8	3.9	4.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	0.35	0.41	0.41	0.41	0.39	0.67	1.26	1.49	0.83	0.37	0.23	0.25
MAX	1.10	1.48	1.49	1.29	1.00	1.59	2.96	4.89	3.81	1.53	1.02	1.06
(WY)	(2000)	(1984)	(1984)	(1997)	(1984)	(2000)	(1999)	(1999)	(1998)	(1999)	(1999)	(1999)
MIN	0.04	0.06	0.00	0.05	0.07	0.09	0.15	0.01	0.01	0.01	0.00	0.01
(WY)	(1989)	(1992)	(1992)	(1992)	(1991)	(1991)	(1992)	(1992)	(1992)	(1991)	(1988)	(1988)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1984 - 2004
ANNUAL TOTAL	114.45	111.75	
ANNUAL MEAN	0.31	0.31	0.59
HIGHEST ANNUAL MEAN			1.73 1999
LOWEST ANNUAL MEAN			0.05 1992
HIGHEST DAILY MEAN	4.1	May 26	8.7 Jan 2, 1997
LOWEST DAILY MEAN	0.05	Aug 17	0.00 Jul 13, 1988
ANNUAL SEVEN-DAY MINIMUM	0.06	Aug 11	0.00 Jul 13, 1988
MAXIMUM PEAK FLOW			12 Jan 2, 1997
MAXIMUM PEAK STAGE			4.75 Jan 2, 1997
ANNUAL RUNOFF (AC-FT)	227	222	428
10 PERCENT EXCEEDS	0.54	0.86	1.4
50 PERCENT EXCEEDS	0.18	0.18	0.32
90 PERCENT EXCEEDS	0.07	0.07	0.05

e Estimated